


ETSI OEU 008 Factsheet

How do I use this methodology? Ask for support!

	ETSI GS OEU 008: Operational energy Efficiency for Users (OEU); Global KPI for Information and Communication Technology Nodes	
Name of Initiative/Methodology	Operational energy Efficiency for Users (OEU); Global KPI for Information and Communication Technology Nodes	
Link to the latest published version	ETSI GS OEU 008 (09/2013): Version 1.1.1 gs_OEU008v010101p.pdf	
Developed by	The European Telecommunications Standards Institute (ETSI)	
History and Status	<ul style="list-style-type: none"> • Work undertaken during 2013 • Published in September 2013 	
Involved companies / parties	<ul style="list-style-type: none"> • EADS • Thales • PSA Peugeot Citroen • Orange SA 	
Scope	<ul style="list-style-type: none"> ✓ Organisation env. accounting ✗ Scope 1 ✗ Scope 2 ✗ Scope 3 	<ul style="list-style-type: none"> ✗ Product env. assessment ✗ Life cycle approach ✗ Use phase only
	<ul style="list-style-type: none"> ✗ GWP ✗ Energy (focus on secondary energy) 	<ul style="list-style-type: none"> ✓ KPIs • Energy consumption • Task efficiency • Energy reuse • Renewable energy
System(s) covered by the methodology	Data centres or operator sites (ICT node operations)	
Goals	<ul style="list-style-type: none"> • Improving energy usage and efficiency of an ICT node through a reduction in energy consumption, improvements in task efficiency, the re-use of energy and the contribution of renewable energy • Providing methodological framework for the definition and calculation of Key Performance Indicators (KPI) in relation to the objectives described above (one global indicator + 4 objective indicators) 	
Generic features	<ul style="list-style-type: none"> • The indicators apply to systems of any size from initial operation to end of life • The reduction in energy consumption and task efficiency are primary objectives • Energy sources may be utility (from the grid), fossil or renewable local power sources, hydrothermal energy or aerualics power source. • The definition of task efficiency should specify the difference with "Power Usage Effectiveness" if relevant 	
ICT-specific features	The indicators apply to any buildings containing IT rooms, technical infrastructure and spaces required for proper operation of the data centre. Buildings containing offices for on-site employees are excluded.	
Examples of implementation / experience feedback	None identified - to be filled later	
Interaction with other methodologies	<ul style="list-style-type: none"> • [EN 50600] Information technology - Data centre facilities and infrastructures • [ETSI OEU 001] Operational energy Efficiency for Users (OEU); Technical Global KPIs for Data Centres • [EC Mandate M/462] Standardisation mandate addressed to CEN, CENELEC and ETSI to enable efficient energy use of ICT networks • [ETSI ES 205 200] Access, Terminals, Transmission and Multiplexing (ATTM); Energy management; Global KPIs; Operational infrastructures • [ETSI TS 105 174] Access, Terminals, Transmission and Multiplexing (ATTM); Broadband Deployment - Energy Efficiency and Key Performance Indicators • EC DG JRC Code of Conduct for Data Centre Energy Efficiency • EC DG JRC Code of Conduct on Energy Consumption of Broadband Equipment • [Kyoto Protocol] to the United Nations Framework Convention on Climate Change 	

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